

MEMORANDUM

to Theodore J. Fischer
Design Area II

FROM Wayne Smith
Project Environmental Engr.

SUBJECT Rt. 280 Sections 8A - 8D

DATE 8-23-78

Ref: 9-8-8EW

Monitoring Wells (Town of Kearny - Disposal Area)
 Certificate of Registration No. 0907H

I acknowledge receiving your memorandum of August 15th, 1978, authorizing our people to initiate quarterly sampling and testing, in accordance with the above referenced certificate of registration, of four new wells located in the vicinity of Diamond Head Oil Company at Harrison Avenue. Two of these wells have been installed to date as determined by a field inspection of the area.

Since these wells are not located on the plans of the Rt. 280 project and have not been assigned station numbers as have other wells on the project, they will be identified as Sites 1A and 1B, respectively, as approached from the Harrison Avenue project limit.

Please direct all inquiries concerning the above to my office.

WS:BS:ski

Wayne Smith
 Wayne Smith

cc: E.R. Wokoun

J.T. Bolan, Hackensack Meadowlands Development Commission

SURFACE DESIGN AREA 2	
AUG 24 1978	
ACT	INF.
	ALL
	4F
	2F
	1F
	WCD
	EC
	AS
	JP
	CT
	AS
	BS
	JS
	JP
	FILE

510399

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<u>Parameter</u>	<u>Franks Creek</u>		<u>Well 1A</u>	<u>Well 1B</u>
	<u>U.S.</u>	<u>D.S.</u>		
PH (1-14 units)	7.4	7.4	7.1	7.2
Oil & Grease	269	201	46	127
Nitrates	N.D.	N.D.	N.D.	N.D.
Chlorides	506	1310	343	468
Total Diss. Solids	1648	3021	2707	3495
Sulfates	228	250	424	260
Cyanide	0.003	0.005	0.020	0.026
Dissolved Oxygen	0	3.1	0	0.5
Phosphates	1.4	1.1	1.0	2.4
Phenols	N.D.	N.D.	0.142	N.D.
C.O.D.	109	148	702	748
Hardness (As CaCO_3)	698.8	679.75	1354.3	1381.44
Heavy Metals:				
Cadmium	0.002	0.006	0.035	0.038
Chromium	0	0	0.132	0.183
Copper	0.032	0.012	0.15	0.24
Iron	1.84	0.93	29.68	29.85
Lead	0.103	0.052	0.80	0.59
Manganese	0.52	0.36	3.00	4.95
Zinc	0.294	0.103	0.682	0.784
Arsenic	N.D.	N.D.	N.D.	0.022
BOD ₅	16	less than 1	16	31
Total Coliform (MPN/100 mls)	23,000	23,000	2000	less than 2000
Fecal Coliform (MPN/100 mls)	2,000	5,000	2000	less than 2000
Fecal Streptococci (MPN/100 mls)	2,200	1,300	2300	200

NOTE: ND = Non-detectable